



CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 02/17/04

AGENDA ITEM 4

WORK SESSION ITEM

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Hesperian Booster Pump Station Project: Approval of Addendum and Award of Contract

RECOMMENDATION:

It is recommended that the City Council adopt the attached resolution that:

1. Approves Addendum No. 1, which makes minor revisions to the plans and specifications; and
2. Awards the contract to Mountain Cascade Inc., in the amount of \$7,174,500.

BACKGROUND:

The new Hesperian Booster Pump Station is located at Hesperian Boulevard and Industrial Boulevard along the City's 42-inch Hesperian Aqueduct. It will provide pumping capacity of approximately 30,000 gallons per minute of potable water to meet the City's year 2020 maximum day demand and will enhance the reservoir filling capacity to maintain system water pressure for fire fighting capabilities for the entire City.

This project will also include the demolition of existing outdated pump station and storage buildings located on the same site. It will also construct extensive landscape beautification, including a new block wall and a new landscaping strip surrounding the existing City-owned property that will complement the Eden Shores development to the South.

The existing communication equipment used by the Police and Fire Departments, which are housed within the existing storage building, will be relocated to a new 10 ft. by 12 ft. prefabricated building, which will be constructed prior the construction of the pump station project. In addition, a Police Department Impound Vehicle Storage Lot will be constructed adjacent to the pump station site as part of this project.

Addendum No.1, containing clarifications to the plans and specifications, was issued primarily to respond to questions raised during the advertisement period.

On November 18, 2003, Council approved plans and specifications for the Hesperian Booster Pump Station Project, and called for bids to be received on January 20, 2004. Seven bids were

received ranging from \$7,174,500 to \$9,948,369. The low bid, submitted by Mountain Cascade, Inc. of Livermore, is 8.7 percent below the engineer's estimate of \$7,858,702. The low bidder, Mountain Cascade, Inc., also attained 4.5 percent DBE/WBE participation for the construction contract.

As reported in the previous Council Report, in addition to its original intended purposes, the Hesperian Pump Station has been designed to be used as part of the Regional Water System Intertie in an emergency. Certain modifications have been made in the design of the pump station, such as adding two variable frequency drive pumps and relocation of an existing pressure reducing valve. The construction cost of \$750,900 for these modifications will be reimbursed by EBMUD and SFPUC per the Intertie Project Agreement.

Project Cost:

Design for Pump Station	\$ 900,000
Environmental Assessment and Pre-design Study	100,000
Construction Cost (This Action)	7,174,500
PG&E Connection Cost	91,000
Inspection, Testing & Administration	150,000
Police Communication Building and Equipment Relocation	<u>110,000</u>
Total	\$ 8,525,500

Funding:

The 2003-04 Capital Improvement Program includes a total \$8,528,000 in the Water System Capital Improvement Fund and the Regional Water Intertie Capital Fund for the Hesperian Booster Pump Station Project, of which \$6 million has been raised through proceeds of long term bond financing in January 2004. An additional \$90,000 in the Capital Improvement Fund is available for the Police Impound Vehicle Storage Lot. In addition, the construction cost of \$750,900, and the initial evaluation cost of \$30,000 for the modification will be reimbursed by EBMUD and SFPUC as a part of the Intertie Project.

Schedule:

The following tentative project schedule has been developed for these projects:

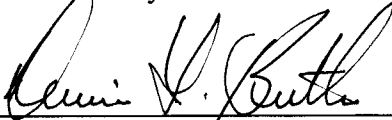
Award Construction Contract	February 17, 2004
Begin Construction	March 15, 2004
Construction Completion	June 2005

Prepared by:



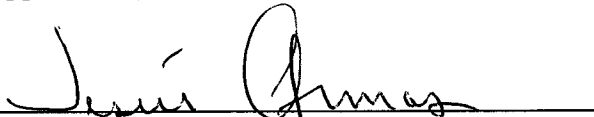
Alex Ameri, Deputy Director of Public Works

Recommended by:



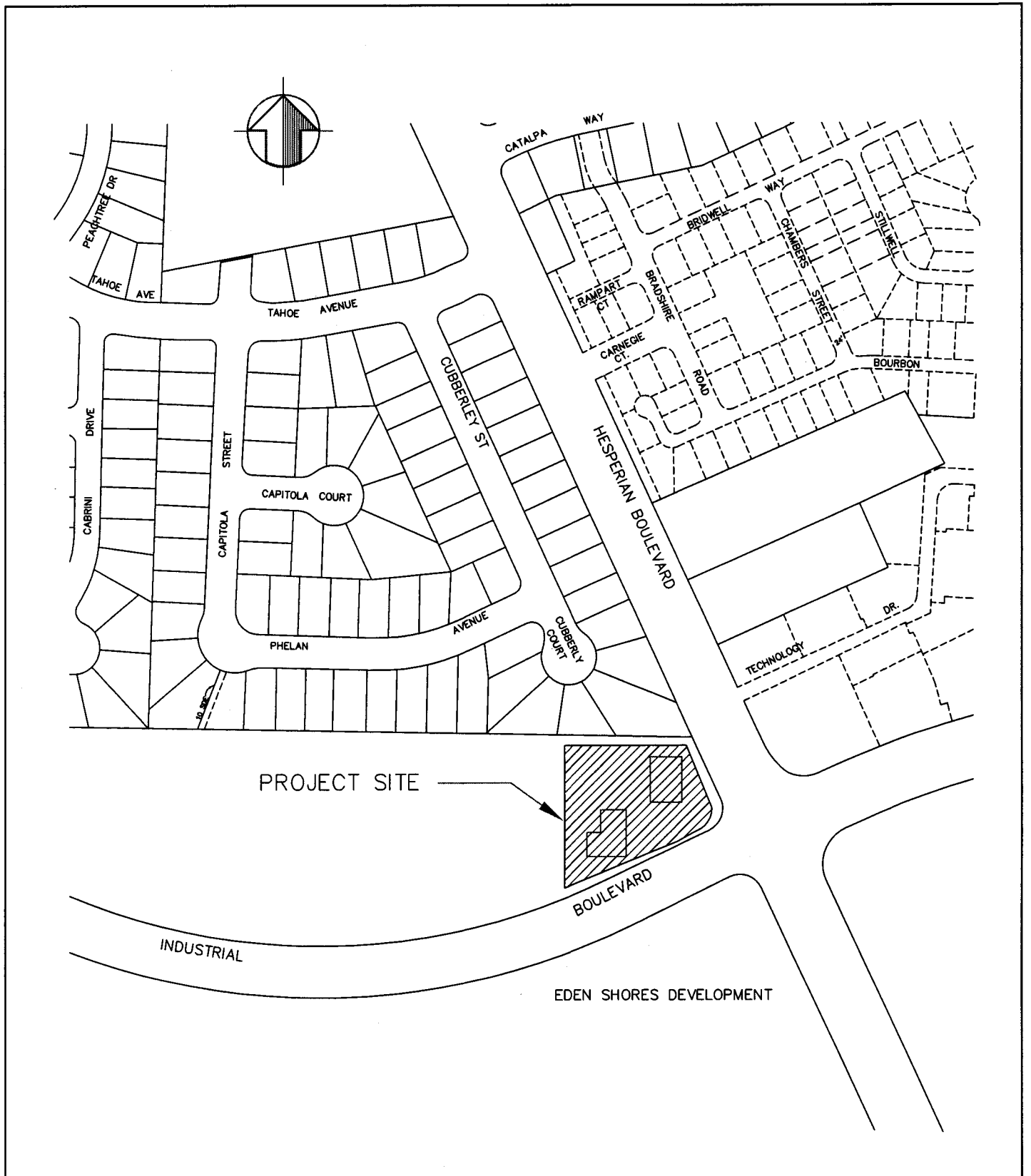
Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

Attachment: Exhibit A: Project Location Map
Exhibit B: Bid Summary



PROJECT LOCATION MAP

HESPERIAN BOOSTER PUMP STATION PROJECT

PROJECT NOS. 622-7144 and 410-6944

EXHIBIT "A"

CITY OF HAYWARD
 HESPERIAN BOOSTER PUMP STATION PROJECT
 PROJECT NO. 7144
 BIDS OPENED: JANUARY 20, 2004

(NUMBER OF BIDS RECEIVED - 7)

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Exhibit B

BID SUMMARY				ENGINEER'S ESTIMATE		MOUNTAIN CASCADE, INC. P.O. BOX 5050 LIVERMORE CA 94550 (925) 373-8370 PHONE (925) 373-0940 FAX		PROVEN MANAGEMENT, INC. 501 CESAR CHAVEZ BL, ST. 204E SAN FRANCISCO CA 94124 (415) 642-3366 PHONE (415) 642-3361 FAX		ANDERSON PACIFIC ENGINEERING CONST., INC. 1390 NORMAN AVENUE SANTA CLARA CA 95054 (408) 970-9900 PHONE (408) 970-9975 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	300,000.00	300,000.00	350,000.00	350,000.00	350,000.00	350,000.00	350,000.00	350,000.00
2	1	LS	DEMOLITIONS	180,000.00	180,000.00	100,000.00	100,000.00	200,000.00	200,000.00	250,000.00	250,000.00
3	1	LS	EARTHWORK	268,000.00	268,000.00	200,000.00	200,000.00	650,000.00	650,000.00	200,000.00	200,000.00
4	1	LS	PAVING, FENCING, LANDSCAPING	295,224.00	295,224.00	742,000.00	742,000.00	265,000.00	265,000.00	1,000,000.00	1,000,000.00
5	1	LS	STRUCTURAL AND ARCHITECTURAL	756,752.00	756,752.00	900,000.00	900,000.00	1,529,283.00	1,529,283.00	1,245,000.00	1,245,000.00
6	1	LS	MECHANICAL	219,042.00	219,042.00	750,000.00	750,000.00	700,000.00	700,000.00	600,000.00	600,000.00
7	1	LS	ELECTRICAL AND INSTRUMENTATION	1,898,849.00	1,898,849.00	850,000.00	850,000.00	1,500,000.00	1,500,000.00	1,200,000.00	1,200,000.00
8	1	LS	PUMPS	544,548.00	544,548.00	600,000.00	600,000.00	350,000.00	350,000.00	670,000.00	670,000.00
9	1	LS	STANDBY GENERATOR	594,931.00	594,931.00	525,000.00	525,000.00	275,000.00	275,000.00	100,000.00	100,000.00
10	440	LF	42-INCH PIPELINES	1,000.00	440,000.00	1,000.00	440,000.00	675.00	297,000.00	1,280.00	563,200.00 *
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	504,915.00	504,915.00	20,000.00	20,000.00	5,000.00	5,000.00	225,000.00	225,000.00
12	1	LS	PRV STATION RELOCATION	446,191.00	446,191.00	75,000.00	75,000.00	100,000.00	100,000.00	50,000.00	50,000.00
13	1	LS	VALVE VAULT	400,000.00	400,000.00	650,000.00	650,000.00	350,000.00	350,000.00	150,000.00	150,000.00
14	1	LS	TRAFFIC CONTROL	20,000.00	20,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00
15	225	CY	EXCAVATION AND MANAGEMENT OF PETROLEUM-AFFECTED SOIL	90.00	20,250.00	50.00	11,250.00	50.00	11,250.00	50.00	11,250.00
16	200	CY	CLASS II, NON-HAZARDOUS WASTE TRANSPORT AND DISPOSAL OF PETROLEUM-AFFECTED SOIL	56.00	11,200.00	50.00	10,000.00	300.00	60,000.00	55.00	11,000.00

CITY OF HAYWARD
 HESPERIAN BOOSTER PUMP STATION PROJECT
 PROJECT NO. 7144
 BIDS OPENED: JANUARY 20, 2004

(NUMBER OF BIDS RECEIVED - 7)

BID SUMMARY				ENGINEER'S ESTIMATE		MOUNTAIN CASCADE, INC. P.O. BOX 5050 LIVERMORE CA 94550 (925) 373-8370 PHONE (925) 373-0940 FAX		PROVEN MANAGEMENT, INC. 501 CESAR CHAVEZ BL, ST. 204E SAN FRANCISCO CA 94124 (415) 642-3366 PHONE (415) 642-3361 FAX		ANDERSON PACIFIC ENGINEERING CONST., INC. 1390 NORMAN AVENUE SANTA CLARA CA 95054 (408) 970-9900 PHONE (408) 970-9975 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
17	25	CY	CLASS I, NON-RCRA HAZARDOUS WASTE TRANSPORT AND DISPOSAL OF PETROLEUM-AFFECTED SOIL	152.00	3,800.00	50.00	1,250.00	400.00	10,000.00	125.00	3,125.00
18	1	LS	VARIABLE FREQUENCY DRIVES	255,000.00	255,000.00	250,000.00	250,000.00	150,000.00	150,000.00	100,000.00	100,000.00
19	1	LS	MISCELLANEOUS ITEMS	200,000.00	200,000.00	175,000.00	175,000.00	50,000.00	50,000.00	155,000.00	155,000.00
20	1	LS	ADMINISTRATIVE CHANGE ORDERS	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00
			TOTAL		7,858,702.00		7,174,500.00		7,377,533.00		7,408,575.00 *

* TOTAL DIFFERENT THAN
 SUBMITTED BID

CITY OF HAYWARD
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BID SUMMARY				ENGINEER'S ESTIMATE		PACIFIC MECHANICAL CORPORATION 2501 ANNALISA DRIVE CONCORD CA 94520 (925) 827-4940 PHONE (925) 827-0519 FAX		MONTEREY MECHANICAL CO. 8275 SAN LEANDRO STREET OAKLAND CA 94621 (510) 632-3173 PHONE (510) 632-0761 FAX		MITCHELL ENGINEERING PIER 26 THE EMBARCADERO SAN FRANCISCO CA 94105 (415) 227-1040 PHONE (415) 227-1046 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	300,000.00	300,000.00	375,000.00	375,000.00	400,000.00	400,000.00	300,000.00	300,000.00
2	1	LS	DEMOLITIONS	180,000.00	180,000.00	60,000.00	60,000.00	105,000.00	105,000.00	520,118.00	520,118.00
3	1	LS	EARTHWORK	268,000.00	268,000.00	130,000.00	130,000.00	250,000.00	250,000.00	62,178.00	62,178.00
4	1	LS	PAVING, FENCING, LANDSCAPING	295,224.00	295,224.00	775,000.00	775,000.00	800,000.00	800,000.00	627,473.00	627,473.00
5	1	LS	STRUCTURAL AND ARCHITECTURAL	756,752.00	756,752.00	500,000.00	500,000.00	1,294,000.00	1,294,000.00	1,773,897.00	1,773,897.00
6	1	LS	MECHANICAL	219,042.00	219,042.00	1,600,000.00	1,600,000.00	480,000.00	480,000.00	638,748.00	638,748.00
7	1	LS	ELECTRICAL AND INSTRUMENTATION	1,898,849.00	1,898,849.00	1,160,000.00	1,160,000.00	900,000.00	900,000.00	1,157,256.00	1,157,256.00
8	1	LS	PUMPS	544,548.00	544,548.00	600,000.00	600,000.00	700,000.00	700,000.00	379,307.00	379,307.00
9	1	LS	STANDBY GENERATOR	594,931.00	594,931.00	300,000.00	300,000.00	500,000.00	500,000.00	339,607.00	339,607.00
10	440	LF	42-INCH PIPELINES	1,000.00	440,000.00	2,045.00	899,800.00	1,500.00	660,000.00	848.00	373,120.00
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	504,915.00	504,915.00	10,000.00	10,000.00	80,000.00	80,000.00	41,374.00	41,374.00
12	1	LS	PRV STATION RELOCATION	446,191.00	446,191.00	37,000.00	37,000.00	50,000.00	50,000.00	105,476.00	105,476.00
13	1	LS	VALVE VAULT	400,000.00	400,000.00	200,000.00	200,000.00	400,000.00	400,000.00	610,459.00	610,459.00
14	1	LS	TRAFFIC CONTROL	20,000.00	20,000.00	50,000.00	50,000.00	90,000.00	90,000.00	45,784.00	45,784.00
15	225	CY	EXCAVATION AND MANAGEMENT OF PETROLEUM-AFFECTED SOIL	90.00	20,250.00	5.00	1,125.00	30.00	6,750.00	74.00	16,650.00
16	200	CY	CLASS II, NON-HAZARDOUS WASTE TRANSPORT AND DISPOSAL OF PETROLEUM-AFFECTED SOIL	56.00	11,200.00	60.00	12,000.00	40.00	8,000.00	72.00	14,400.00

CITY OF HAYWARD
 HESPERIAN BOOSTER PUMP STATION PROJECT
 PROJECT NO. 7144
 BIDS OPENED: JANUARY 20, 2004

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BID SUMMARY				ENGINEER'S ESTIMATE		PACIFIC MECHANICAL CORPORATION 2501 ANNALISA DRIVE CONCORD CA 94520 (925) 827-4940 PHONE (925) 827-0519 FAX		MONTEREY MECHANICAL CO. 8275 SAN LEANDRO STREET OAKLAND CA 94621 (510) 632-3173 PHONE (510) 632-0761 FAX		MITCHELL ENGINEERING PIER 26 THE EMBARCADERO SAN FRANCISCO CA 94105 (415) 227-1040 PHONE (415) 227-1046 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
17	25	CY	CLASS I, NON-RCRA HAZARDOUS WASTE TRANSPORT AND DISPOSAL OF PETROLEUM-AFFECTED SOIL	152.00	3,800.00	180.00	4,500.00	90.00	2,250.00	240.00	6,000.00
18	1	LS	VARIABLE FREQUENCY DRIVES	255,000.00	255,000.00	150,000.00	150,000.00	250,000.00	250,000.00	259,036.00	259,036.00
19	1	LS	MISCELLANEOUS ITEMS	200,000.00	200,000.00	58,296.00	58,296.00	150,000.00	150,000.00	124,281.00	124,281.00
20	1	LS	ADMINISTRATIVE CHANGE ORDERS	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00	500,000.00
			TOTAL		7,858,702.00		7,422,721.00		7,626,000.00		7,895,164.00

Exhibit B

CITY OF HAYWARD
 HESPERIAN BOOSTER PUMP STATION PROJECT
 PROJECT NO. 7144
 BIDS OPENED: JANUARY 20, 2004

(NUMBER OF BIDS RECEIVED - 7)

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Exhibit B

BID SUMMARY				ENGINEER'S ESTIMATE		VALINTINE CORPORATION P.O. BOX 9337 SAN RAFAEL CA 94912 (415) 453-3732 PHONE (415) 457-5820 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	300,000.00	300,000.00	161,869.00	161,869.00
2	1	LS	DEMOLITIONS	180,000.00	180,000.00	67,000.00	67,000.00
3	1	LS	EARTHWORK	268,000.00	268,000.00	250,000.00	250,000.00
4	1	LS	PAVING, FENCING, LANDSCAPING	295,224.00	295,224.00	750,000.00	750,000.00
5	1	LS	STRUCTURAL AND ARCHITECTURAL	756,752.00	756,752.00	2,900,000.00	2,900,000.00
6	1	LS	MECHANICAL	219,042.00	219,042.00	925,000.00	925,000.00
7	1	LS	ELECTRICAL AND INSTRUMENTATION	1,898,849.00	1,898,849.00	1,490,000.00	1,490,000.00
8	1	LS	PUMPS	544,548.00	544,548.00	550,000.00	550,000.00
9	1	LS	STANDBY GENERATOR	594,931.00	594,931.00	500,000.00	500,000.00
10	440	LF	42-INCH PIPELINES	1,000.00	440,000.00	2,500.00	1,100,000.00
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	504,915.00	504,915.00	91,000.00	91,000.00
12	1	LS	PRV STATION RELOCATION	446,191.00	446,191.00	130,000.00	130,000.00
13	1	LS	VALVE VAULT	400,000.00	400,000.00	200,000.00	200,000.00
14	1	LS	TRAFFIC CONTROL	20,000.00	20,000.00	50,000.00	50,000.00
15	225	CY	EXCAVATION AND MANAGEMENT OF PETROLEUM-AFFECTED SOIL	90.00	20,250.00	75.00	16,875.00
16	200	CY	CLASS II, NON-HAZARDOUS WASTE TRANSPORT AND DISPOSAL OF PETROLEUM-AFFECTED SOIL	56.00	11,200.00	37.00	7,400.00

CITY OF HAYWARD
 HESPERIAN BOOSTER PUMP STATION PROJECT
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BID SUMMARY				ENGINEER'S ESTIMATE		VALINTINE CORPORATION P.O. BOX 9337 SAN RAFAEL CA 94912 (415) 453-3732 PHONE (415) 457-5820 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
17	25	CY	CLASS I, NON-RCRA HAZARDOUS WASTE TRANSPORT AND DISPOSAL OF PETROLEUM-AFFECTED SOIL	152.00	3,800.00	89.00	2,225.00
18	1	LS	VARIABLE FREQUENCY DRIVES	255,000.00	255,000.00	230,000.00	230,000.00
19	1	LS	MISCELLANEOUS ITEMS	200,000.00	200,000.00	27,000.00	27,000.00
20	1	LS	ADMINISTRATIVE CHANGE ORDERS	500,000.00	500,000.00	500,000.00	500,000.00
			TOTAL		7,858,702.00		9,948,369.00

DRAFT

NH
9/24/04

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION APPROVING ADDENDUM NO. 1 AND
AWARDING CONTRACT TO MOUNTAIN CASCADE, INC.,
FOR THE HESPERIAN BOOSTER PUMP STATION
PROJECT, PROJECT NOS. 6944 AND 7144

WHEREAS, by resolution on November 18, 2003, the City Council approved the plans and specifications for the Hesperian Booster Pump Station Project, Project Nos. 6944 and 7144, and called for bids to be received on January 20, 2004; and

WHEREAS, Addendum No. 1 was issued to make clarifications to the to the plans and specifications and respond to questions raised during the advertisement period; and

WHEREAS, on January 20, 2004, seven bids were received and Mountain Cascade, Inc., submitted the low bid in the amount of \$7,174,500, which is 8.7 percent below the Engineer's Estimate of \$7,858,702.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Addendum No. 1 is hereby approved and adopted as part of the plans and specifications for the project.

BE IT FURTHER RESOLVED that Mountain Cascade, Company is hereby awarded the contract for the Hesperian Booster Pump Station Project, Project Nos. 6944 and 7144, in an amount not to exceed \$7,174,500, in accordance with the plans and specifications adopted therefor and on file in the office of the City Clerk of the City of Hayward, at and for the price named and stated in the bid of the hereinabove specified bidder, and all other bids are hereby rejected.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute the contract with Mountain Cascade, Inc. in the name of and for and on behalf of the City of Hayward in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2004

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward